## AMENDMENTS TO THE CLAIMS

## WHAT IS CLAIMED IS:

- 1. (**Currently amended**) A computerized method of identifying a key frame from a video, the method operating on a processor, comprising:
  - a) providing a reference frame;
  - b) providing, via a processor, a current frame different from the reference frame;
  - c) determining, via a processor, a chromatic difference measure between the reference frame and the current frame;
  - d) determining, via a processor, a structure difference measure between the reference frame and the current frame based, at least in part, on edges identified in each of the frames;
  - e) identifying, via a processor, the current frame as a key frame if the chromatic difference measure exceeds a chromatic threshold and the structure difference measure exceeds a structure threshold, otherwise selecting a new current frame; and
    - f) repeating c), d), and e) until a key frame is identified.
- 2. (Previously presented) The method defined in Claim 1, additionally comprising setting the current frame to be the reference frame if a key frame is identified.
- 3. (Previously presented) The method defined in Claim 2, additionally comprising repeating b)-f) for a new current frame until another key frame is identified or the end of the video is reached.
- 4. (Previously presented) The method defined in Claim 1, wherein the new current frame is selected to be at a predetermined time interval after the current frame.
- 5. (Original) The method defined in Claim 4, wherein the predetermined time interval is user-selectable.

- 6. (Original) The method defined in Claim 1, wherein the value of the chromatic threshold and the value of the structure threshold are each user-selectable.
- 7. (Previously presented) The method defined in Claim 1, wherein determining the structure difference measure is performed only if the chromatic difference measure exceeds the chromatic threshold.
- 8. (**Currently amended**) A computerized method of identifying a key frame from a video having a plurality of frames, the method comprising:
  - a) providing a reference frame;
  - b) providing, via a processor, a current frame different from the reference frame;
  - c) determining, via a processor, a first difference measure between the reference frame and the current frame;
  - d) determining, via a processor, a second difference measure between the reference frame and the current frame based, at least in part, on edges identified in each of the frames;
  - e) identifying, via a processor, the current frame as a key frame if the first difference measure exceeds a first threshold and the second difference measure exceeds a second threshold, otherwise selecting a new current frame; and
    - f) repeating c), d), and e) until a key frame is identified.
- 9. (Previously presented) The method defined in Claim 8, additionally comprising setting the current frame to be the reference frame if a key frame is identified.
- 10. (Original) The method defined in Claim 8, wherein the first difference measure is orthogonal to the second difference measure.
- 11. (Previously presented) The method defined in Claim 9, additionally comprising the step of repeating b)-f) for a new current frame until another key frame is identified or the end of the video is reached.

- 12. (Original) The method defined in Claim 11, wherein the new current frame is selected to be at a predetermined time interval after the current frame.
- 13. (Original) The method defined in Claim 8, wherein the value of the first threshold and the value of the second threshold are each user-selectable.
- 14. (Previously presented) The method defined in Claim 8, wherein determining the second difference measure is performed only if the first difference measure exceeds the first threshold.
- 15. (Original) The method defined in Claim 8, wherein the second difference measure is computationally more expensive than the first difference measure.
- 16. (Original) The method defined in Claim 8, wherein the second difference measure extracts more information than the first difference measure.
- 17. (Previously presented) The method defined in Claim 8, additionally comprising determining a third difference measure between the reference frame and the current frame, and wherein the identifying identifies the current frame as the key frame if the third difference measure exceeds a third threshold, otherwise selecting a new current frame.
- 18. (**Currently amended**) A computerized method of identifying a key frame from a video having a plurality of frames, the method comprising:
  - a) providing a reference frame;
  - b) providing, via a processor, a current frame different from the reference frame;
  - c) determining, via a processor, a structure difference measure between the reference frame and the current frame based, at least in part, on edges identified in each of the frames; and
  - d) identifying, via a processor, the current frame as a key frame if the structure difference measure exceeds a structure threshold, otherwise selecting a new current frame;

e) repeating c) and d) until a key frame is identified.

- 19. (Previously presented) The method defined in Claim 18, additionally comprising setting the current frame to be the reference frame if a key frame is identified.
- 20. (Previously presented) The method defined in Claim 19, additionally comprising repeating b) and e) for a new current frame until another key frame is identified or the end of the video is reached.
- 21. (Original) The method defined in Claim 20, wherein the new current frame is selected to be at a predetermined time interval after the current frame.
- 22. (Original) The method defined in Claim 18, wherein the value of the structure threshold is user selectable.
- 23. (**Currently amended**) A computerized method of identifying a key frame from a video having a sequence of frames, the method comprising:
  - a) providing a reference frame;
  - b) providing, via a processor, a current frame different from the reference frame;
  - c) determining, via a processor, a chromatic difference measure between the reference frame and the current frame;
  - d) determining, via a processor, a structure difference measure between the reference frame and the current frame;
  - e) identifying, via a processor, the current frame as a key frame if the chromatic difference measure exceeds a chromatic threshold and the structure difference measure exceeds a structure threshold, otherwise selecting a new current frame; and
    - f) repeating c), d), and e) until a key frame is identified.
- 24. (**Currently amended**) A computerized method of identifying a key frame from a video, comprising:

a) providing a reference frame;

b) providing a current frame different from the reference frame;

c) determining, via a processor, a chromatic difference measure between the reference frame and the current frame:

d) determining, via a processor, if the chromatic difference measure exceeds a chromatic threshold;

e) if the chromatic threshold is exceeded, identifying, via a processor, the current frame as a key frame candidate, otherwise selecting a new current frame and skipping f) and g);

f) determining, via a processor, a structure difference measure between the reference frame and the key frame candidate based, at least in part, on edges identified in each of the frames;

g) identifying, via a processor, the key frame candidate as a key frame if the structure difference measure exceeds a structure threshold, otherwise selecting a new current frame; and

h) repeating c) through g) until a key frame is identified.